

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Mark Labhart

GENERAL INFORMATION:

Name:	Metal Solutions Design & Fabrication, LLC.
Address:	6801 Powerline Drive Florence, KY 41042
Date application received:	11/30/2006
SIC Code/SIC description:	3441, Fabricated Structural Metal
Source ID:	21-117-00181
Agency Interest:	82290
Activity:	APE20060001
Permit:	F-07-039

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☒ Area is non-attainment (list pollutants): Ozone

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀		4.8
VOC	<20 *	64.8
Single HAPs		
Toluene (108-88-3)	<9 *	10.3
Xylene (1330-20-7)	<9 *	8.1
Source wide HAPs	<20 **	27.0

* Federally enforceable limit

** There are no specific HAP limits because the 27 tpy potential is VHAP which will be restricted by the 20 tpy VOC emission limitation.

SOURCE DESCRIPTION:

Metal Solutions Design & Fabrication, was formed in 2005 from three separate businesses to build a diversified metal fabrication and welding company. Products include both custom engineered equipment and standardized product lines such as the following:

- Custom Fabrication and Welding
- Ground Support Equipment
- Air cargo containers
- DOT Certified IP-1, IP-2 & IP-3 Shipping Containers
- Material handling systems
- Structural Steel Systems
- Automotive Industry reusable packaging
- Ornamental Ironwork
- Stair systems
- Handrails & Guardrails

Much of the activities at Metal Solutions consist of metalworking operations which are inherently low emitting processes (PT/PM10). Metal Solutions does have 2-spray coating booths which give the source a high PTE (VOC and HAP) even though actual emissions have been low. Metal Solutions out-sources much of their product coating at the present time and has elected to take emission limitations to reflect their current operations.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

Metal Solutions has requested voluntary emission limitations. VOC emissions shall not exceed 20 tons per year and emissions of any single HAP shall not exceed 9 tons per year as calculated on a 12-month rolling total basis.

OPERATIONAL FLEXIBILITY:

Metal Solutions is not restricted on the hours of operation or quality of products produced as long as the emission limitations above are not exceeded.